

FIG. 1
PRIOR ART

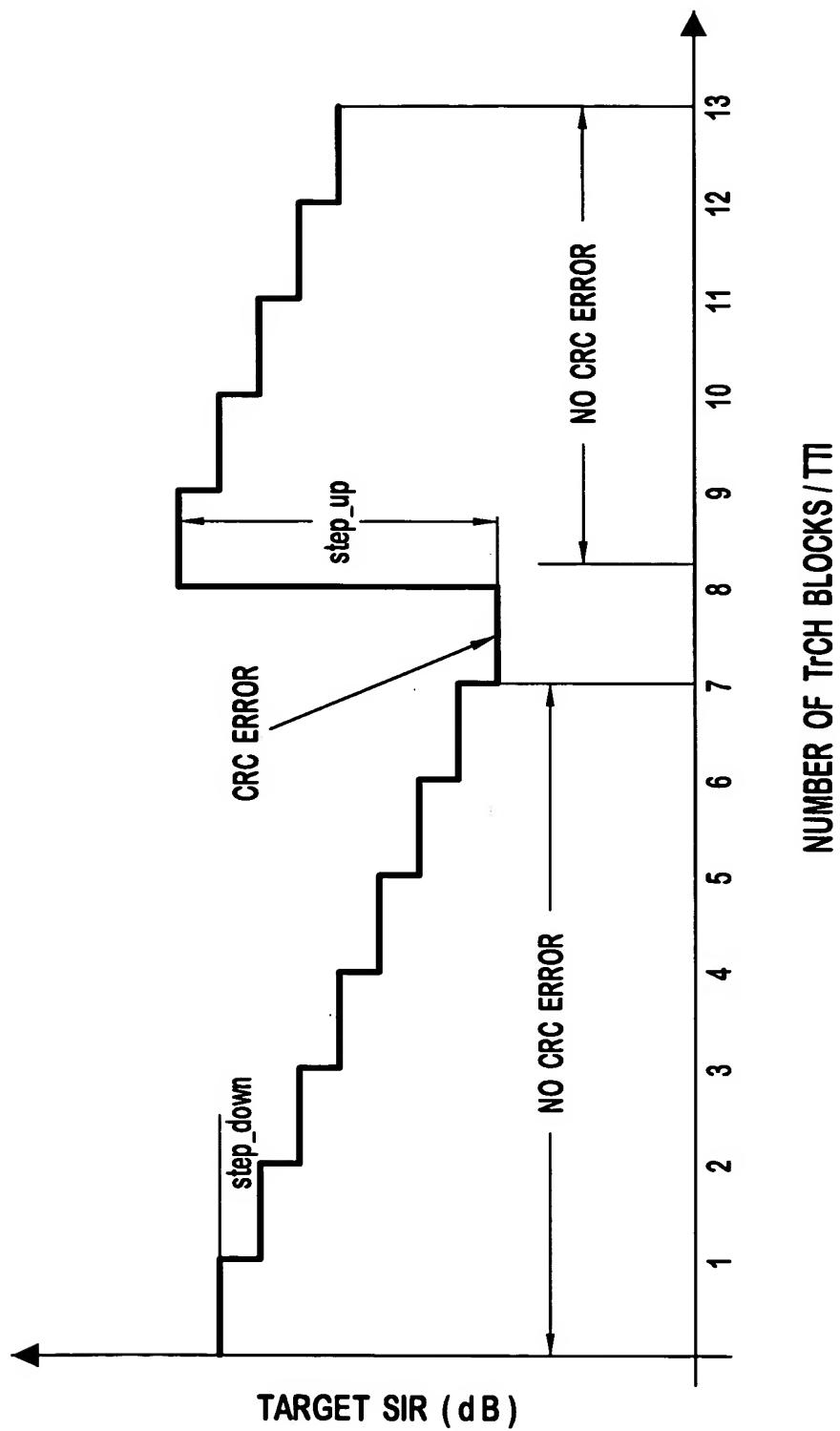


FIG. 2

FIG. 3

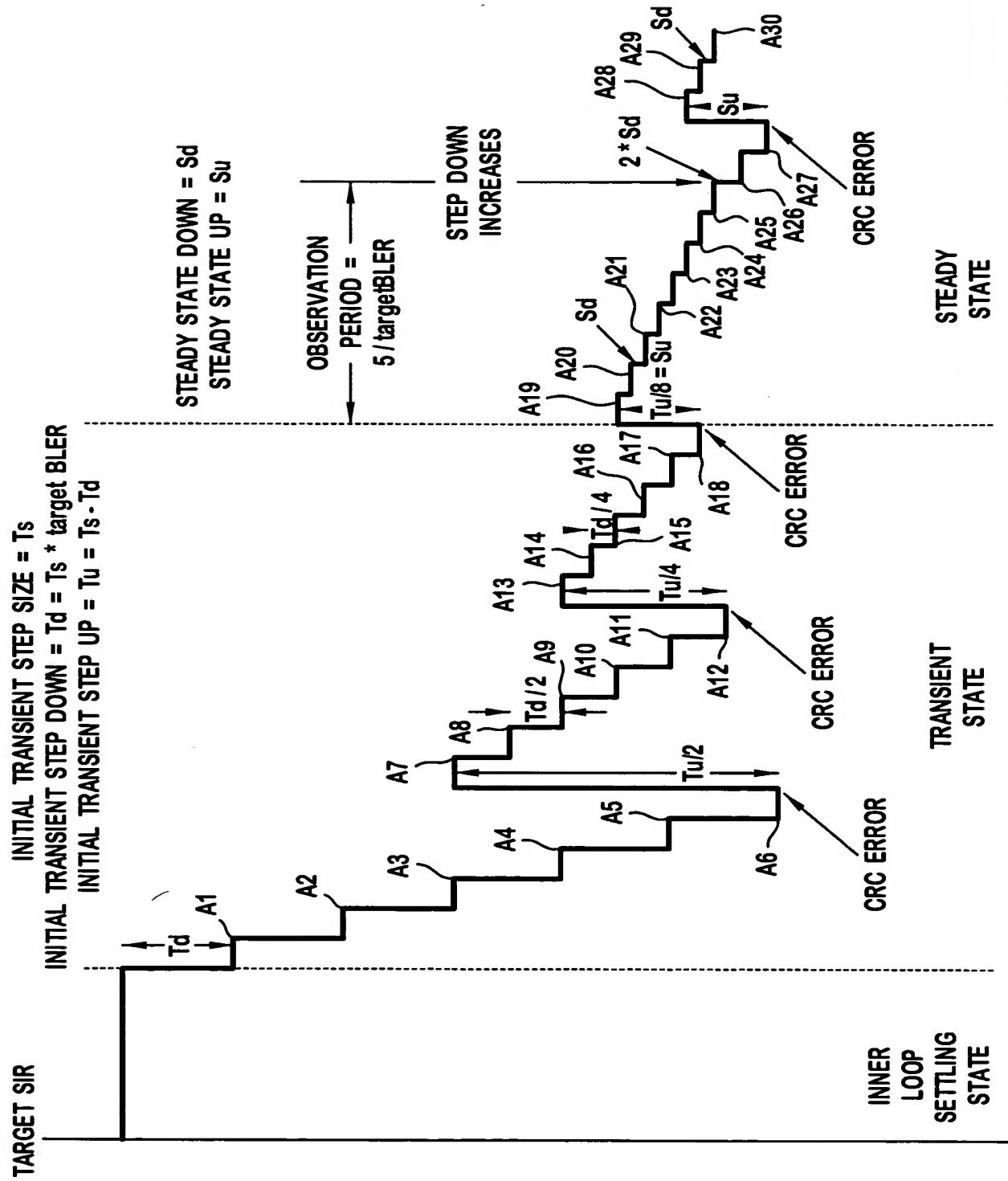
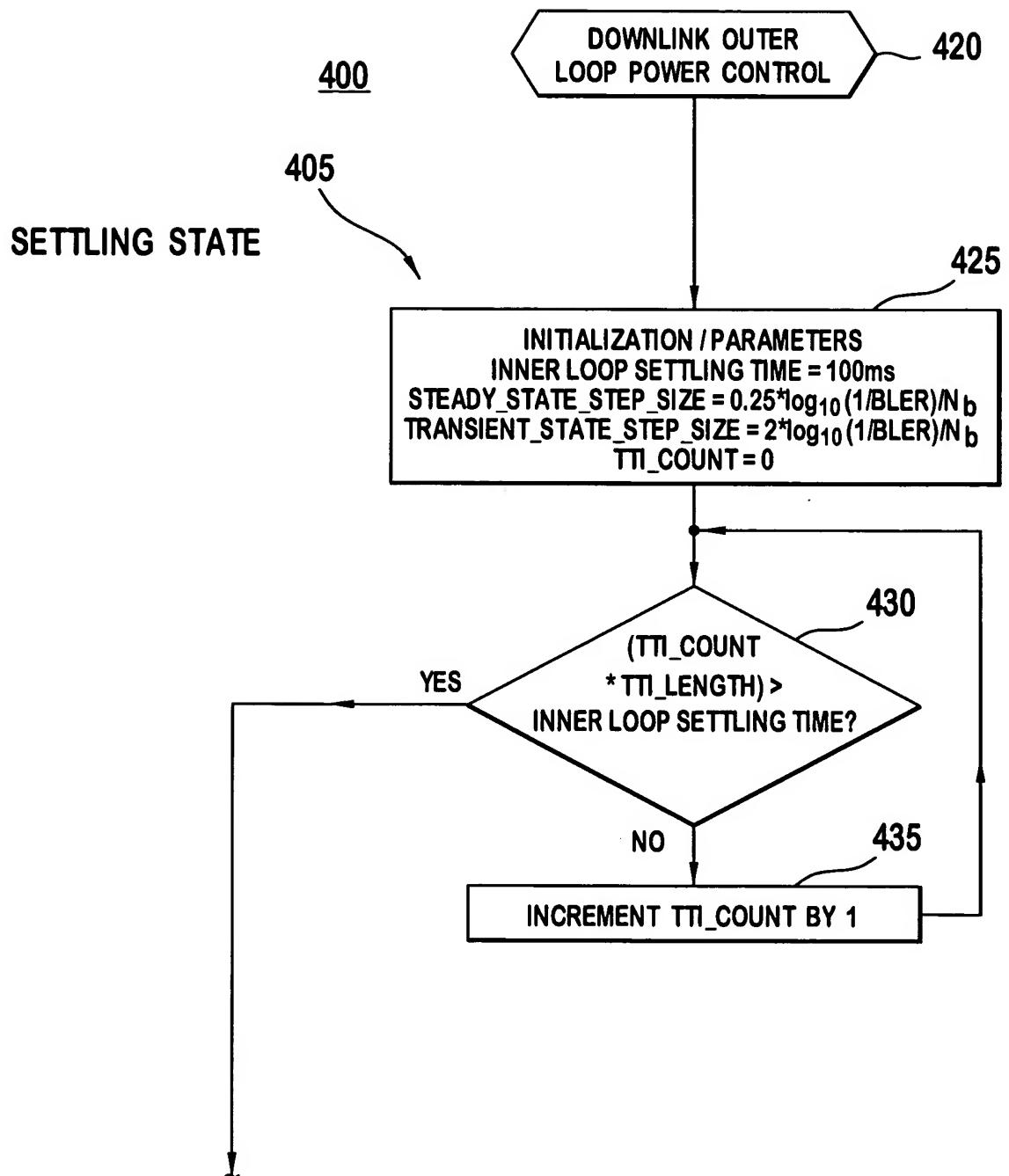


FIG. 4A



TO TRANSIENT STATE

FIG. 4B

FROM SETTLING STATE

FIG. 4A

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FIG. 4B

410

TRANSIENT STATE

COMPUTER PARAMETERS FOR JUMP ALGORITHM
 $\text{STEP_SIZE} = \text{TRANSIENT_STATE_STEP_SIZE}$
 $\text{STEP_DOWN} = \text{BLER} * \text{STEP_SIZE}$
 $\text{STEP_UP} = \text{STEP_SIZE} - \text{STEP_DOWN}$

440

STEP_SIZE >

STEADY_STATE_STEP_SIZE?

445

NO

YES

OF CRC
ERRORS IN THIS
TTI (N_e) > 0?

450

NO

YES

ADJUST PARAMETERS FOR JUMP ALGORITHM
 $\text{STEP_SIZE} = \text{STEP_SIZE} / 2$
IF ($\text{STEP_SIZE} < \text{STEADY_STATE_STEP_SIZE}$)
 $\text{STEP_SIZE} = \text{STEADY_STATE_STEP_SIZE}$
 $\text{STEP_DOWN} = \text{BLER} * \text{STEP_SIZE}$
 $\text{STEP_UP} = \text{STEP_SIZE} - \text{STEP_DOWN}$

460

INCREASE TARGET SIR
 $\text{TARGET_SIR} = \text{TARGET_SIR}$
 $+ \text{STEP_UP} * N_e - \text{STEP_DOWN} * (N_b + N_e)$
IF $\text{TARGET_SIR} > \text{MAXIMUM_DL_SIR}$
 $\text{TARGET_SIR} = \text{MAXIMUM_DL_SIR}$

465

455

DECREASE TARGET SIR
 $\text{TARGET_SIR} = \text{TARGET_SIR} - \text{STEP_DOWN} * N_b$
IF $\text{TARGET_SIR} < \text{MINIMUM_DL_SIR}$
 $\text{TARGET_SIR} = \text{MINIMUM_DL_SIR}$

TO STEADY STATE

FIG. 4C

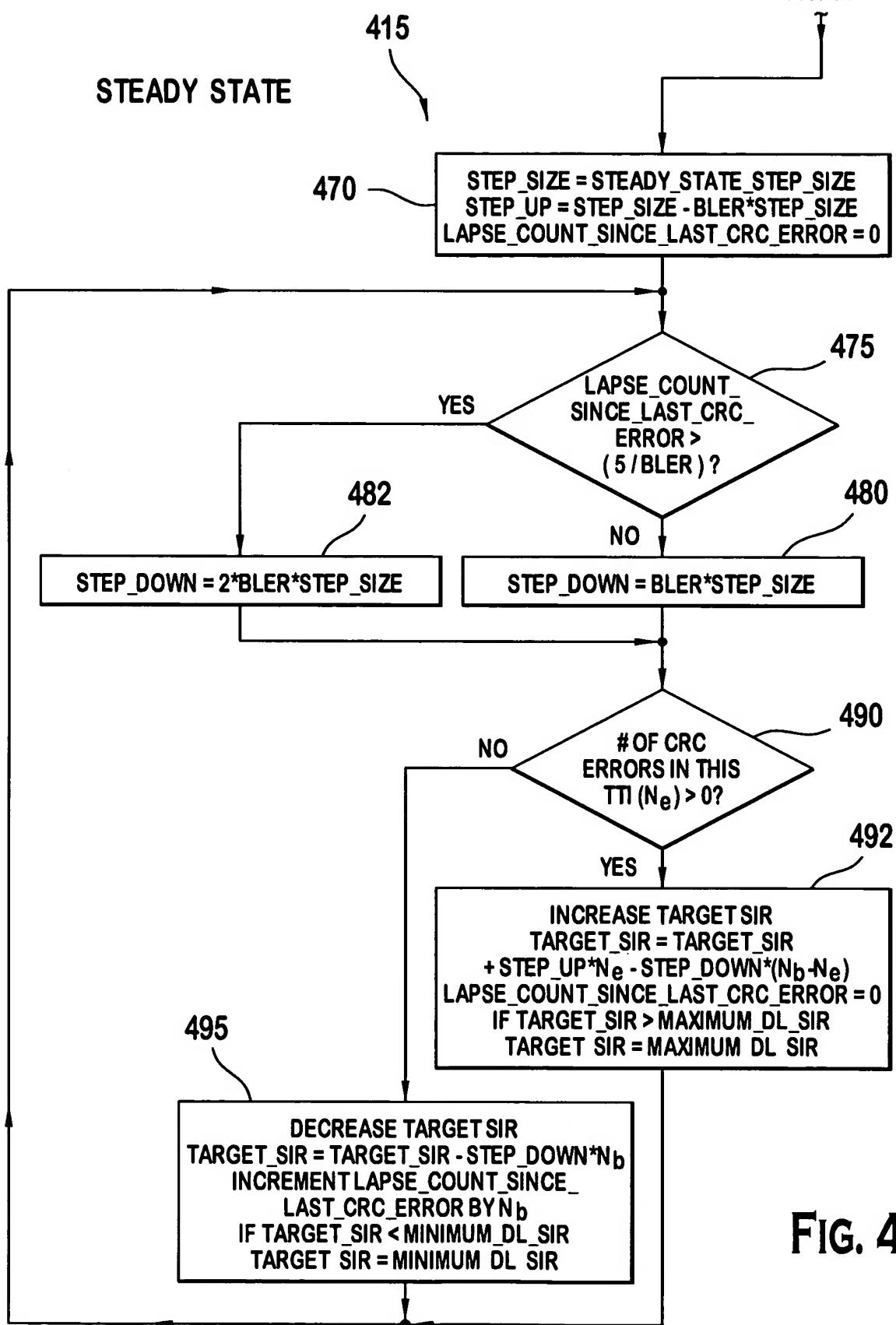


FIG. 4C